

13000 GeV pp

 $t\bar{t}$ $t\bar{t}H\bar{H}$ (ATLAS semileptonic $t\bar{t}b\bar{a}$)

■ ATLAS

—▲ Pythia 8.170 default

 $\frac{d^2\sigma}{dN^{\text{jets}} dH_T^{\{t\bar{t}\}}} [\text{pb/GeV}]$ 10^{-1} 10^{-2} 10^{-3} 10^{-4}

ATLAS_2019_I1750330

Rivet 3.1.10, 500k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0 500 1000 1500 2000

 $H_T^{\{t\bar{t}\}} [\text{GeV}], N^{\text{jets}} = 6$